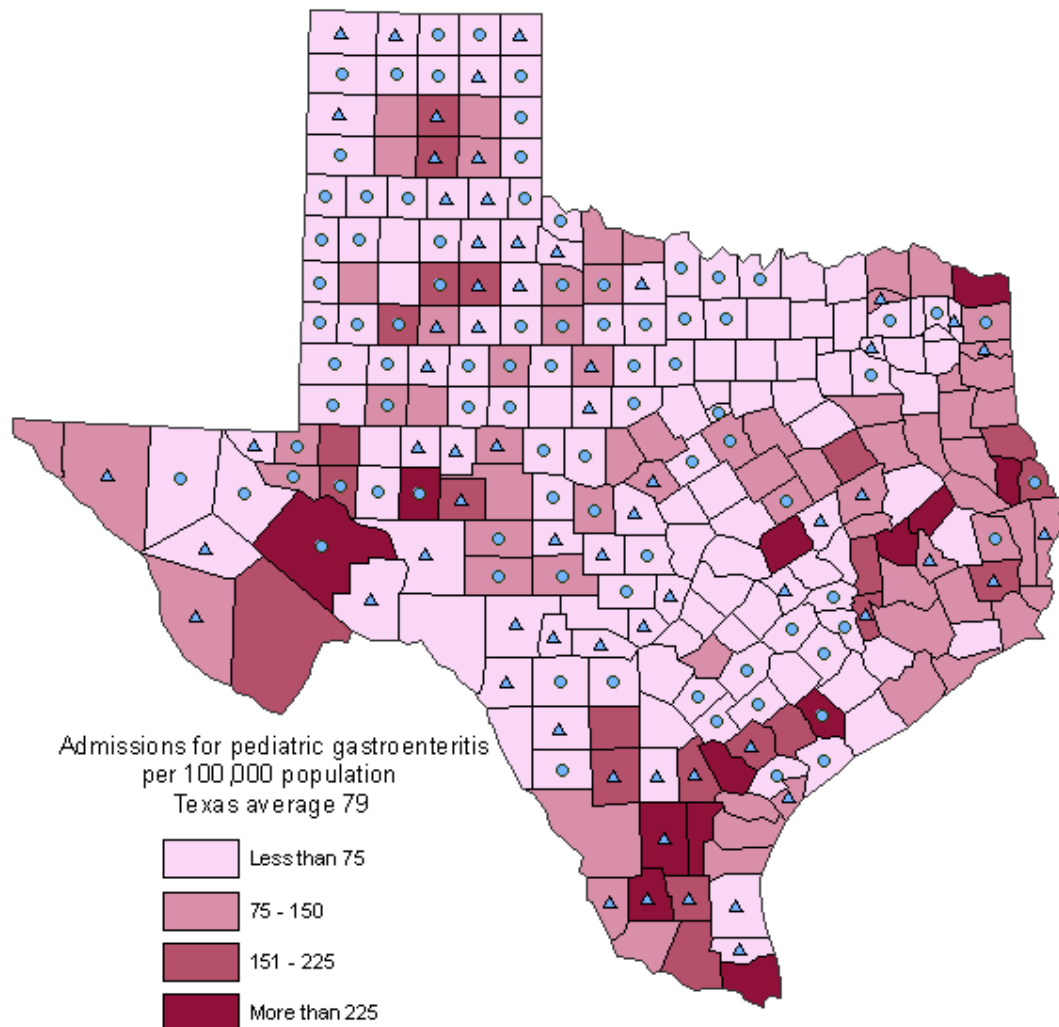


3. Pediatric Gastroenteritis

Gastroenteritis is an inflammation of the mucous membrane lining the stomach and intestine caused by viruses or bacteria. Among children, it is a common reason for visits to family doctors. Treatment guidelines emphasize the importance of encouraging high fluid intake to avoid the need for hospitalization. Some hospital admissions for gastroenteritis in children are unavoidable; however, areas with high rates may want to identify disease severity by looking at the degree of dehydration of the patients. Most children admitted with gastroenteritis appear to have no underlying problems, and most are re-hydrated within 12 hours.



*THCIC collects data from most Texas hospitals. Some hospitals are statutorily exempt from reporting (see introduction for details).

3. Pediatric Gastroenteritis, page 2

Includes data from most Texas hospitals. Some hospitals are statutorily exempt from reporting to THCIC.

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	5,169	6,100,904	84.7	72.6	
Anderson	18	11,447	157.2	139.1	(57.6, 220.6)
Andrews	Less than 5	3,925			
Angelina	28	21,966	127.5	111.4	(58.7, 164.1)
Aransas	5	5,205	96.1	96.3	(0.0, 196.8)
Archer	Less than 5	2,355			
Armstrong	Less than 5	551			
Atascosa	7	12,364	56.6	54.6	(5.5, 103.8)
Austin	Less than 5	6,391			
Bailey	0	1,936	0.0	0.0 *	(0.0, 0.0)
Bandera	Less than 5	4,474			
Bastrop	7	17,304	40.5	38.5	(3.6, 73.3)
Baylor	Less than 5	892			
Bee	21	7,502	279.9	252.5 **	(116.9, 388.1)
Bell	23	74,430	30.9	9.8 *	(1.3, 18.3)
Bexar	214	410,562	52.1	43.7 *	(36.1, 51.3)
Blanco	Less than 5	2,091			
Borden	0	170	0.0	0.0 *	(0.0, 0.0)
Bosque	5	4,105	121.8	120.3	(0.0, 246.9)
Bowie	67	21,927	305.6	275.2 **	(192.4, 357.9)
Brazoria	82	71,682	114.4	101.4 **	(73.6, 129.2)
Brazos	29	36,993	78.4	70.2	(38.0, 102.4)
Brewster	5	2,053	243.6	221.1	(0.0, 463.6)
Briscoe	0	477	0.0	0.0 *	(0.0, 0.0)
Brooks	5	2,435	205.4	185.3	(0.0, 389.3)
Brown	11	9,719	113.2	105.9	(28.7, 183.1)
Burleson	Less than 5	4,457			
Burnet	Less than 5	8,788			
Caldwell	Less than 5	9,668			
Calhoun	Less than 5	5,837			
Callahan	Less than 5	3,130			
Cameron	336	118,216	284.2	249.9 **	(215.9, 283.9)
Camp	0	3,132	0.0	0.0 *	(0.0, 0.0)
Carson	Less than 5	1,737			
Cass	9	7,072	127.3	123.7	(25.9, 221.4)
Castro	Less than 5	2,602			
Chambers	5	7,405	67.5	70.8	(0.0, 143.1)
Cherokee	13	12,447	104.4	92.4	(28.7, 156.2)

* Risk adjusted admission rate is significantly LOWER (based on 99% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

3. Pediatric Gastroenteritis, page 3

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	5,169	6,100,904	84.7	72.6	
Childress	Less than 5	1,721			
Clay	Less than 5	2,660			
Cochran	0	1,018	0.0	0.0 *	(0.0, 0.0)
Coke	Less than 5	926			
Coleman	0	2,109	0.0	0.0 *	(0.0, 0.0)
Collin	61	159,455	38.3	27.3 *	(17.6, 36.9)
Collingsworth	0	776	0.0	0.0 *	(0.0, 0.0)
Colorado	Less than 5	5,163			
Comal	9	20,840	43.2	43.7	(9.8, 77.6)
Comanche	Less than 5	3,376			
Concho	0	612	0.0	0.0 *	(0.0, 0.0)
Cooke	Less than 5	9,997			
Coryell	8	20,792	38.5	32.7 *	(3.3, 62.0)
Cottle	0	438	0.0	0.0 *	(0.0, 0.0)
Crane	Less than 5	1,148			
Crockett	0	1,015	0.0	0.0 *	(0.0, 0.0)
Crosby	Less than 5	2,077			
Culberson	0	890	0.0	0.0 *	(0.0, 0.0)
Dallam	Less than 5	1,970			
Dallas	231	640,152	36.1	22.1 *	(17.8, 26.5)
Dawson	Less than 5	3,712			
Deaf Smith	Less than 5	6,068			
Delta	Less than 5	1,320			
Denton	56	135,182	41.4	31.3 *	(20.0, 42.6)
DeWitt	0	4,605	0.0	0.0 *	(0.0, 0.0)
Dickens	Less than 5	480			
Dimmit	0	3,217	0.0	0.0 *	(0.0, 0.0)
Donley	Less than 5	919			
Duval	22	3,596	611.8	551.1 **	(262.2, 840.0)
Eastland	Less than 5	4,265			
Ector	65	36,358	178.8	159.4 **	(110.5, 208.4)
Edwards	0	582	0.0	0.0 *	(0.0, 0.0)
Ellis	14	34,674	40.4	41.6 *	(16.0, 67.2)
El Paso	270	220,547	122.4	106.0 **	(89.8, 122.2)
Erath	Less than 5	8,237			
Falls	Less than 5	4,828			
Fannin	Less than 5	7,245			
Fayette	Less than 5	4,981			

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** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

3. Pediatric Gastroenteritis, page 4

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	5,169	6,100,904	84.7	72.6	
Fisher	Less than 5	953			
Floyd	0	2,302	0.0	0.0 *	(0.0, 0.0)
Foard	0	385	0.0	0.0 *	(0.0, 0.0)
Fort Bend	65	118,736	54.7	56.8	(40.6, 73.0)
Franklin	Less than 5	2,196			
Freestone	8	4,253	188.1	170.4	(22.4, 318.5)
Frio	8	4,584	174.5	152.9	(17.8, 287.9)
Gaines	0	4,812	0.0	0.0 *	(0.0, 0.0)
Galveston	77	68,556	112.3	100.7	(72.4, 129.1)
Garza	Less than 5	1,384			
Gillespie	0	4,455	0.0	0.0 *	(0.0, 0.0)
Glasscock	0	421	0.0	0.0 *	(0.0, 0.0)
Goliad	Less than 5	1,680			
Gonzales	Less than 5	5,122			
Gray	8	5,276	151.6	138.3	(18.6, 258.1)
Grayson	10	28,616	34.9	32.6 *	(7.6, 57.6)
Gregg	36	30,141	119.4	106.4	(62.5, 150.4)
Grimes	10	5,960	167.8	152.5	(34.2, 270.7)
Guadalupe	21	25,832	81.3	78.6	(37.8, 119.4)
Hale	7	10,889	64.3	57.0	(3.5, 110.5)
Hall	0	989	0.0	0.0 *	(0.0, 0.0)
Hamilton	0	1,855	0.0	0.0 *	(0.0, 0.0)
Hansford	0	1,503	0.0	0.0 *	(0.0, 0.0)
Hardeman	0	1,109	0.0	0.0 *	(0.0, 0.0)
Hardin	25	12,942	193.2	179.3 **	(92.2, 266.3)
Harris	935	1,020,443	91.6	75.8	(69.4, 82.2)
Harrison	17	16,321	104.2	101.3	(43.0, 159.6)
Hartley	0	1,117	0.0	0.0 *	(0.0, 0.0)
Haskell	Less than 5	1,347			
Hays	7	27,936	25.1	29.6 *	(5.5, 53.7)
Hemphill	0	839	0.0	0.0 *	(0.0, 0.0)
Henderson	19	18,121	104.9	95.1	(41.5, 148.7)
Hidalgo	514	214,729	239.4	207.5 **	(184.5, 230.5)
Hill	11	8,553	128.6	116.4	(30.1, 202.7)
Hockley	7	6,552	106.8	99.0	(8.1, 190.0)
Hood	0	9,966	0.0	0.0 *	(0.0, 0.0)
Hopkins	Less than 5	8,218			
Houston	Less than 5	5,187			

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** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

3. Pediatric Gastroenteritis, page 5

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	5,169	6,100,904	84.7	72.6	
Howard	13	8,029	161.9	145.4	(45.9, 244.9)
Hudspeth	Less than 5	1,064			
Hunt	15	20,648	72.6	70.2	(27.1, 113.3)
Hutchinson	Less than 5	6,218			
Irion	Less than 5	425			
Jack	0	2,100	0.0	0.0 *	(0.0, 0.0)
Jackson	10	3,823	261.5	234.5	(51.4, 417.5)
Jasper	10	9,283	107.7	98.5	(22.3, 174.7)
Jeff Davis	0	496			
Jefferson	65	63,405	102.5	93.8	(65.4, 122.3)
Jim Hogg	Less than 5	1,558			
Jim Wells	72	12,019	599.1	540.1 **	(383.6, 696.5)
Johnson	15	37,665	39.8	39.7 *	(15.7, 63.7)
Jones	0	4,395	0.0	0.0 *	(0.0, 0.0)
Karnes	Less than 5	3,350			
Kaufman	7	21,713	32.2	33.8 *	(4.6, 63.0)
Kendall	0	6,576	0.0	0.0 *	(0.0, 0.0)
Kenedy	0	118	0.0	0.0 *	(0.0, 0.0)
Kent	0	153	0.0	0.0 *	(0.0, 0.0)
Kerr	Less than 5	9,922			
Kimble	Less than 5	1,009			
King	0	107	0.0	0.0 *	(0.0, 0.0)
Kinney	0	827	0.0	0.0 *	(0.0, 0.0)
Kleberg	8	8,648	92.5	80.8	(9.3, 152.4)
Knox	Less than 5	1,116			
Lamar	17	12,703	133.8	119.2	(47.6, 190.8)
Lamb	Less than 5	4,180			
Lampasas	Less than 5	4,917			
La Salle	Less than 5	1,682			
Lavaca	Less than 5	4,404			
Lee	Less than 5	4,591			
Leon	5	3,723	134.3	123.8	(0.0, 258.7)
Liberty	30	19,800	151.5	138.4 **	(76.6, 200.2)
Limestone	8	5,543	144.3	133.2	(18.6, 247.9)
Lipscomb	0	803	0.0	0.0 *	(0.0, 0.0)
Live Oak	Less than 5	2,525			
Llano	0	2,872	0.0	0.0 *	(0.0, 0.0)
Loving	0	11	0.0	0.0 *	(0.0, 0.0)

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** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

3. Pediatric Gastroenteritis, page 6

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	5,169	6,100,904	84.7	72.6	
Lubbock	54	64,861	83.3	72.9	(48.1, 97.7)
Lynn	Less than 5	1,872			
McCulloch	Less than 5	2,012			
McLennan	76	59,018	128.8	115.0 **	(82.3, 147.6)
McMullen	0	174	0.0	0.0 *	(0.0, 0.0)
Madison	Less than 5	2,815			
Marion	Less than 5	2,432			
Martin	Less than 5	1,486			
Mason	0	805	0.0	0.0 *	(0.0, 0.0)
Matagorda	6	10,908	55.0	56.3	(3.1, 109.4)
Maverick	11	17,301	63.6	58.4	(15.4, 101.4)
Medina	Less than 5	11,354			
Menard	0	522	0.0	0.0 *	(0.0, 0.0)
Midland	10	34,292	29.2	28.5 *	(7.1, 49.8)
Milam	17	6,704	253.6	227.8 **	(91.6, 364.1)
Mills	Less than 5	1,231			
Mitchell	0	1,886	0.0	0.0 *	(0.0, 0.0)
Montague	0	4,578	0.0	0.0 *	(0.0, 0.0)
Montgomery	91	92,468	98.4	90.9	(67.7, 114.1)
Moore	Less than 5	6,761			
Morris	0	3,247	0.0	0.0 *	(0.0, 0.0)
Motley	0	311	0.0	0.0 *	(0.0, 0.0)
Nacogdoches	24	15,343	156.4	142.3	(71.1, 213.5)
Navarro	7	12,709	55.1	52.1	(4.7, 99.4)
Newton	Less than 5	3,703			
Nolan	0	4,045	0.0	0.0 *	(0.0, 0.0)
Nueces	109	88,333	123.4	107.6 **	(81.8, 133.4)
Ochiltree	Less than 5	2,672			
Oldham	0	709	0.0	0.0 *	(0.0, 0.0)
Orange	28	22,055	127.0	120.9	(66.2, 175.7)
Palo Pinto	Less than 5	6,965			
Panola	6	5,605	107.0	100.0	(1.2, 198.8)
Parker	10	24,598	40.7	47.7	(15.1, 80.3)
Parmer	0	3,166	0.0	0.0 *	(0.0, 0.0)
Pecos	34	4,396	773.5	683.6 **	(392.8, 974.4)
Polk	8	9,995	80.0	74.1	(10.4, 137.8)
Potter	47	33,158	141.7	118.1 **	(74.0, 162.2)
Presidio	Less than 5	2,466			

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** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

3. Pediatric Gastroenteritis, page 7

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	5,169	6,100,904	84.7	72.6	
Rains	Less than 5	2,345			
Randall	29	27,224	106.5	99.1	(54.5, 143.8)
Reagan	Less than 5	1,045			
Real	0	685	0.0	0.0 *	(0.0, 0.0)
Red River	Less than 5	3,276			
Reeves	Less than 5	3,603			
Refugio	Less than 5	1,964			
Roberts	0	201	0.0	0.0 *	(0.0, 0.0)
Robertson	Less than 5	4,512			
Rockwall	Less than 5	14,351			
Runnels	Less than 5	2,864			
Rusk	16	11,410	140.2	127.7	(49.4, 205.9)
Sabine	Less than 5	2,146			
San Augustine	6	2,101	285.6	256.6	(0.0, 514.8)
San Jacinto	5	5,621	89.0	90.5	(0.0, 184.3)
San Patricio	30	20,754	144.6	129.9	(71.4, 188.4)
San Saba	0	1,639	0.0	0.0 *	(0.0, 0.0)
Schleicher	Less than 5	783			
Scurry	Less than 5	3,990			
Shackelford	Less than 5	824			
Shelby	16	6,619	241.7	216.6 **	(82.9, 350.3)
Sherman	0	985	0.0	0.0 *	(0.0, 0.0)
Smith	28	47,648	58.8	52.4	(27.9, 77.0)
Somervell	Less than 5	1,922			
Starr	25	20,846	119.9	101.2	(49.6, 152.7)
Stephens	Less than 5	2,266			
Sterling	0	353	0.0	0.0 *	(0.0, 0.0)
Stonewall	0	294	0.0	0.0 *	(0.0, 0.0)
Sutton	Less than 5	1,142			
Swisher	0	2,234	0.0	0.0 *	(0.0, 0.0)
Tarrant	135	427,996	31.5	22.5 *	(17.2, 27.9)
Taylor	28	34,570	81.0	70.3	(36.9, 103.7)
Terrell	0	248	0.0	0.0 *	(0.0, 0.0)
Terry	Less than 5	3,511			
Throckmorton	0	403	0.0	0.0 *	(0.0, 0.0)
Titus	Less than 5	8,624			
Tom Green	36	27,203	132.3	117.2	(68.6, 165.7)
Travis	40	208,674	19.2	3.9 *	(0.7, 7.1)

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** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

3. Pediatric Gastroenteritis, page 8

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	5,169	6,100,904	84.7	72.6	
Trinity	9	3,182	282.9	252.4	(44.3, 460.6)
Tyler	Less than 5	4,732			
Upshur	6	9,411	63.8	62.5	(2.2, 122.7)
Upton	0	900	0.0	0.0 *	(0.0, 0.0)
Uvalde	0	8,176	0.0	0.0 *	(0.0, 0.0)
Val Verde	Less than 5	14,462			
Van Zandt	5	12,230	40.9	44.4	(0.0, 88.9)
Victoria	53	24,013	220.7	199.3 **	(131.9, 266.6)
Walker	34	12,573	270.4	241.0 **	(138.7, 343.3)
Waller	17	9,240	184.0	166.7	(67.4, 266.1)
Ward	Less than 5	3,089			
Washington	Less than 5	7,614			
Webb	113	75,048	150.6	124.4 **	(94.3, 154.5)
Wharton	7	11,502	60.9	57.5	(5.2, 109.8)
Wheeler	0	1,189	0.0	0.0 *	(0.0, 0.0)
Wichita	33	34,356	96.1	87.9	(50.5, 125.3)
Wilbarger	Less than 5	3,854			
Willacy	Less than 5	6,185			
Williamson	32	84,576	37.8	30.9 *	(16.8, 45.1)
Wilson	Less than 5	9,619			
Winkler	Less than 5	1,928			
Wise	Less than 5	14,428			
Wood	Less than 5	8,194			
Yoakum	Less than 5	2,238			
Young	0	4,317	0.0	0.0 *	(0.0, 0.0)
Zapata	5	4,133	121.0	105.9	(0.0, 224.3)
Zavala	0	3,791	0.0	0.0 *	(0.0, 0.0)

Source: Department of State Health Services, Center for Health Statistics, Texas Health Care Information Collection. Texas Inpatient Hospital Discharge Data, 2002.

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